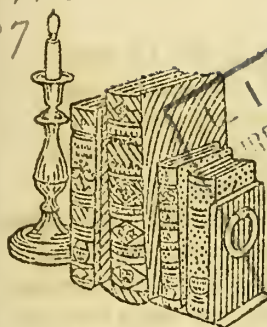


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U.S. DEPARTMENT OF AGRICULTURE

LIBRARY NEWSLETTER

U.S. DEPARTMENT OF AGRICULTURE

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Vol. 9, No. 4.

October 1950.

"Books identify us with the minds of others. They are the food supply for the minds, like the well stored pantry shelf is for the table. They are the storage batteries with reserved power to give us vision and thought." --- Alson Secor.

BOOKS RECENTLY RECEIVED

FORAGE AND PASTURE CROPS, by W. A. Wheeler. Van Nostrand, 1950. 752p.
60 W52

Sub-title: A handbook of information about the grasses and legumes grown for forage in the United States. "This practical handbook draws upon a vast number of carefully authenticated agricultural research studies to provide a survey, encyclopedic in scope, organized for quick reference. Here, in one convenient volume, are the latest, scientifically tested procedures farmers may adopt to assure full utilization and conservation of their forage and pasture acres--with maximum production in crops and livestock." From jacket.

FOREST MENSURATION, by H. H. Chapman and W. H. Meyer. McGraw-Hill, 1949. 522p.
99.4 C363Fm

"This text supersedes ELEMENTS OF FOREST MENSURATION by Chapman and Demeritt, second edition, 1936. ... Although certain fundamental techniques have been carried over from previous texts, the content has been completely rewritten, rearranged, and extended to include the more essential newer techniques developed during the last 15 years. The greatest amplification lies in the study of growth and increment for all classes of stands and forest.

The economic approach has been retained, viz., this book deals first with uses and products, which gives the basis for all other steps in mensuration. Hence cubic, board, and piece measures for cords, logs, and dimensions, including scaling and log rules, are first developed. The construction and use of volume tables for the entire tree follow. The third stage is the measurement of standing trees and the determination of area and volume, commonly called 'timber estimating,' or 'cruising.' Then comes the treatment of growth. In Chapters 2 and 21 the elementary graphical, mathematical, and statistical techniques required in forest mensuration are discussed, but the more complicated and theoretical treatment of these subjects is avoided." From the Preface.

INTROGRESSIVE HYBRIDIZATION, by Edgar Anderson. Wiley, 1949. 109p. 463.62
An2

"This little book is concerned with hybridization under those circumstances which we so glibly refer to as 'natural conditions,' that is, with the results

of hybridization outside the laboratory and the breeding plot. ... It is very largely concerned with how the effects of hybridization can best be measured in natural populations and with a discussion of the forces at work in such populations. Most of the techniques presented here are comparatively simple ones that have been developed for analyzing interspecific and intraspecific variation. Observation and measurement are used much as in traditional taxonomic work but refined to a point where they can be employed for analysis as well as for description. By means of such techniques it is now possible for a trained observer to work intensively with a hybrid population in a region completely new to him and from it to deduce exact descriptions of the hybridizing species, even when he has never seen that species." From the Foreword.

SURVEYING FOR AGRICULTURAL STUDENTS AND PLANTERS, by F. R. Stewart and J. C. Grassie. Allen & Unwin, 1947. 236p. 325 St45

"This book is the outcome of considerable practical experience. ... It deals with the principles of Surveying which apply particularly to agricultural work. The subject-matter comprises: Chain Surveying, Traversing with the Prismatic Compass, the Box Sextant and the Theodolite, simple Tachometry, Plane Table work, Levelling, the taking and plotting of Sections, Contouring, Volumes of Earthwork, setting out Circular Curves, and description of the instruments used in the various operations." From book jacket.

PACKETS OF BULLETINS

In addition to packets on the subjects listed in the Sept. 1949 Newsletter, we have prepared packets on the following subjects:

Community Life & Organization	Beekeeping
Home Grounds Beautification	Farm Ponds
Range Management	Irrigation
*Agronomy 1. East	Fertilizers
" 2. West	

*We have two packets on Agronomy. The packet marked "East" contains publications dealing with Arkansas, Louisiana, and states to the east. The one designated "West" contains publications dealing with Oklahoma and Texas. Both include some general publications.

In case you do not have the Sept. 1949 issue, the subjects listed therein were:

Farm Management & Planning	Livestock: Feeding & Grazing
Grasses	Pastures
Legumes	Wildlife
Soils (added later)	

GEOLOGICAL SURVEY WATER-SUPPLY PAPERS

No. 986-D. Ground-Water exploration in the Natchitoches area Louisiana. 1949.
No. 1030. Quality of surface waters of the United States, 1945. 1949.
No. 1069. Public water supplies in Central and North-Central Texas. 1949.
No. 1074. Water levels and artesian pressure in observation wells in the United States in 1946. Pt. 4. South-Central states. 1949.
No. 1087. Surface water supply of the United States 1947. Pt. 7. Lower Mississippi River basin. 1949.

- No. 1088. Surface water supply of the United States 1947. Pt. 8. Western Gulf of Mexico basins. 1950.
- No. 1117. Surface water supply of the United States 1948. Pt. 7. Lower Mississippi River basin. 1950.

SELECTED BULLETINS

Agricultural Economics

- "Farm Income Possibilities in the Pecos Valley, New Mexico," by H. B. Pingrey. New Mexico Agr. Expt. Sta. Press Bul. 1042. 1950. 34p. 100 N46P 1042
- "Texas Farm and Ranch Land Prices, 1949," by J. H. Southern and J. R. Motheral. Tex. Agr. Expt. Sta. Progress Report 1271. 1950. 6p. 100 T31P 1271

Agricultural Engineering

- "Cultivator Spray Rig for Farm Tractor," by O. B. Wooten, Jr., and others. Miss. Agr. Expt. Sta. Bul. 472. 1950. 19p. 100 M69B
- "Mechanized Production of Cotton. II. Cotton Pickers and Wheel Fenders," by W. F. Buchele. Ark. Agr. Expt. Sta. Mimeo. Ser. 4. 8p. 100 Ar42M

Agronomy

- "Experiments With Oil Crops," by D. G. Sturkie. Ala. Agr. Expt. Sta. Bul. 277. 1950. 28p. 100 AL1B 277
- "Soil Fertility Practices for Cotton Production in the Yazoo-Mississippi Delta," by P. H. Grissom. Miss. Agr. Expt. Sta. Bul. 473. 1950. 23p. 100 M69B

Feeds and Feeding

- "Rates of Feed Consumption by Livestock," by J. H. Sitterley. Ohio. Agr. Col. Ext. Ser. Bul. 308. 1949. 44p. 275.29 Oh32 308
- "Self-Feeding Mixtures of Salt and Cottonseed Meal to Beef Breeding Cows Wintering on Pasture," by J. K. Riggs and others. Tex. Agr. Expt. Sta. Progress Report 1276. 1950. 4p. 100 T31P 1276

Foods

- "Family Fare: Food Management and Recipes." USDA Home and Garden Bul. No. 1. 1950. 96p. 1 Ag84Hg 1
- "Money-Saving Main Dishes." USDA Leaflet 289. 48p. 1 Ag84L 289
- "National Food Guide." USDA Leaflet 288. 1946/ 1 Ag84L 288
- About the basic 7 food groups.
- "Procedures for Home Freezing of Vegetables, Fruits, and Prepared Foods. Classified notes on review of literature," by E. H. Dawson and others. USDA Agr. Handbook No. 2. 1950. 106p. 1 Ag84Ah 2

Horticulture

- "Propagation of Fruit Trees by Budding and Grafting," by T. J. Talbert. Mo. Agr. Expt. Sta. Cir. 343. 1950. 16p. 100 M693C 343
- "Value of Irrigation With Different Fertility Treatments for Vegetable Crops," by L. M. Ware and W. A. Johnson. Ala. Agr. Expt. Sta. Bul. 276. 1950. 69p. 100 AL1B 276

Insects

- "Fall Armyworm." Bureau of Entomology and Plant Quarantine Picture Sheet 12.
Revised 1950. 1 En86P 12
- "Protecting Man and Livestock from Ticks," by L. Haseman and R. W. Portman.
Mo. Agr. Expt. Sta. Cir. 348. 1950. 4p. 100 M693C
- "Spray Control for Corn Earworm," by H. E. Brown and R. A. Schroeder. Mo. Agr.
Expt. Sta. Cir. 347. 1950. 4p. 100 M693C 347

Livestock

- "Artificial Insemination in Livestock Breeding," by A. H. Frank. USDA Cir. 567.
1950. 71p. 1 Ag84C 567
- "Beef Cattle Investigations in Texas, 1888-1950." Tex. Agr. Expt. Sta. Bul. 724.
1950. 79p. 100 T31S 724

Range

- "Effect of Systems of Grazing on Livestock Production," by W. R. Frandsen. SCS
Portland, Ore. 6p. 1.9609 E27F
- "Effect of Various Intensities of Grazing Native and Reseeded Range on Meat and
Wool Production," by G. J. Chohlis. SCS. 1.9609 E27C
- "Glossary of Botanical Terms Commonly Used in Range Research," by W. A. Dayton.
USDA Misc. Pub. 110. Revised 1950. 41p. 1 Ag84M 110

Soils and Soil Conservation

- "Borascu As A Soil Sterilant on Miller Clay Soil," by H. E. Rea and others.
Tex. Agr. Expt. Sta. Progress Report 1268. 1950. 5p. 100 T31P 1268
- "Conquest of the Land Through Seven Thousand Years," by W. C. Lowdermilk.
SCS. MP-32. Revised slightly 1950. 1.96 Ad6Mp 32
- "Our American Land: The Story of Its Abuse and Its Conservation," by H. H. Ben-
nett. USDA Misc. Pub. 596. 32p. 1 Ag84M 596 (Revised 1950)
- "Soil Conservation Progress," address by H. H. Bennett. 1950. 12p. 1.96 Ad62
- "Terraces To Control Run-Off," O. R. Zeasman and A. J. Wojta. Wis. Col Agr.
Ext. Cir. 386. 1950. 8p. 275.29 W75C 386
- "Testing Missouri Soils," by E. R. Graham. Mo. Agr. Expt. Sta. Cir. 345. 1950.
23p. 100 M693C 345

Miscellany

- "Care and Repair of the House," by V. B. Phelan. National Bureau of Standards
Cir. 489. 1949. 209p.
- "Eradication of Trees & Shrubs," by H.P. Rigdon. Okla. Agr. Col. Ext. Cir. 526.
10p. 275.29 O44C
- "Farm and Grass Seed Manual." J. Chas. McCullough Seed Co., Cincinnati, Ohio.
Second edition. 1950. 148p.
Notes on the history, description, adaptation, culture, and uses of numer-
ous grasses, legumes, and forage crops. Planting charts.
- "Pastures for Mississippi," by H. W. Bennett. Miss. Agr. Expt. Sta. Cir. 151.
1950. 16p. 100 M69C 151